

6425AXXSZS-DC3

Relay, SE Relays, solid state, SPST NO, 25A, 48V to 530V AC, 3V to 32V DC U_c, SCR AC zero cross, screw terminal



Main

Range	Legacy
Product Type	Solid state relay
Maximum output current	25 A AC
Mounting Support	Panel
Network Number of Phases	1 phase
Output Voltage	48...530 V AC
Control Circuit Voltage	4...32 V DC

Complementary

Holding Current	150 mA
Input Current Limits	5...40 mA at 5 V DC typical
Switch Function	SPST
Contacts Type and Composition	NO
Tightening Torque	10 lb.in for input 20 lb.in for output
Connections Terminals	Input screw clamp terminal, 1 Output screw clamp terminals, 1
Screw Type	M3.5 M6
Local Signalling	For input status 1 LED (green)
Switching Device	SCR output Zero voltage switching
Maximum Peak Voltage	800 V
Surge Current	250 A 16.6 ms
Must Release Voltage	1 V
Voltage Drop	<1.6 V on-state AC
Power Factor	1 with maximum load
Insulating Resistance	1 GΩ
Thermal Resistance	1.02 °C/W
Maximum I ² t for fusing	259 A ² .s 8.3 ms
Leakage Current	1 mA at off-state
DV/dt	500 V/μs off-state at maximum rated voltage
Response Time	8.33 ms (turn-on, turn-off)
Dielectric Strength	4000 V between input and ground 4000 V between output and ground 4000 V between input and output
Height	1.39 in (35.3 mm)
Width	1.85 in (47.1 mm)
Depth	2.30 in (58.4 mm)
Product Weight	3.70 oz (105 g)

Environment

Product Certifications	UL[RETURN]CSA[RETURN]CE
IP Degree of Protection	IP20
Ambient Air Temperature for Operation	-40...176 °F (-40...80 °C)
Ambient Air Temperature for Storage	-40...257 °F (-40...125 °C)

Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3606480277467
Returnability	No
Country of origin	IN

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.00 in (5.08 cm)
Package 1 Width	2.70 in (6.86 cm)
Package 1 Length	1.50 in (3.81 cm)
Package 1 Weight	0.26 lb(US) (0.12 kg)

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Connections and Wiring Diagrams

